

# Maths Lesson

## Year 3

Write your date and  
title in your book

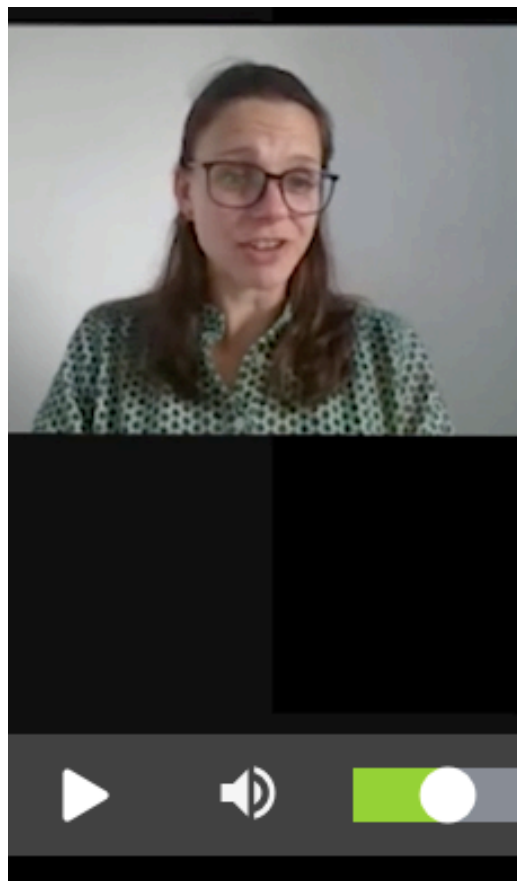
11.2.21

Can I solve 3 digit subtraction calculations?

Today you might be regrouping from more than one column!

# This is Miss Brinkworth.

She is going to remind you how to do column subtraction in a video.



Click on this video link to watch her lesson.  
Pause the lesson whenever you need to.

<https://classroom.thenational.academy/lessons/subtracting-3-digit-numbers-regrouping-in-multiple-columns-74rkce?step=2&activity=video>

The activities from her lesson are on the following slides:

If you can't work the video, just do the slides without it.

## You will need...



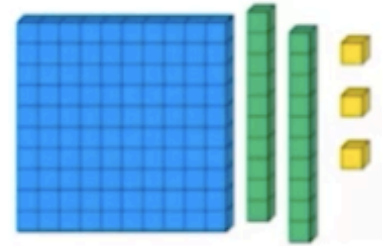
Pencil or pen



Paper



Online Dienes



ask your parent or carer to help you to use this URL  
<https://mathsbot.com/manipulatives/blocks>

3



You can use online dienes using the website shown, draw them or make some using cut up bits of paper/straws/counters/money etc.



This **warm up** activity is on the video.



Warm up

One has been answered correctly and one has not.

Challenge - spot what mistake has been made

		7	3	7	
	-	<u>1</u>	<u>4</u>	<u>6</u>	
		6	1	1	

		6	3	8	
	-	<u>4</u>	<u>2</u>	<u>9</u>	
		2	0	9	

Answer on the next slide – No peeking!

# Answers!

## Warm up

One has been answered correctly and one has not.

Challenge - spot what mistake has been made

		<sup>6</sup> 7	<sup>1</sup> 3	7	
	-	<u>1</u>	<u>4</u>	<u>6</u>	
		6	1	1	

This answer was wrong

591

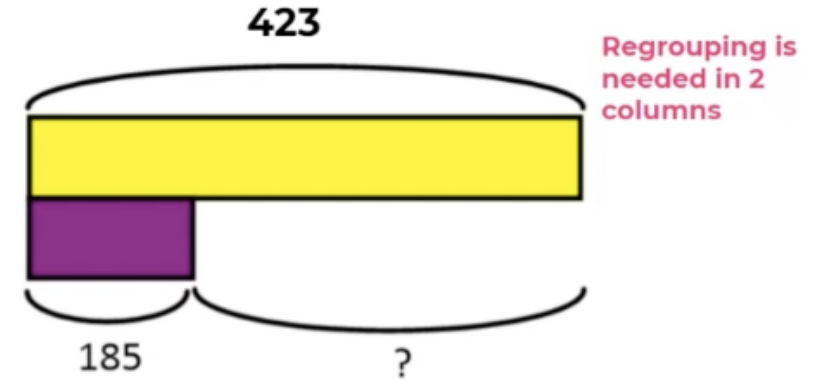
			<sup>2</sup> 6	<sup>1</sup> 3	8	
	-	<u>4</u>	<u>2</u>	<u>9</u>		
		2	0	9		

This answer is correct

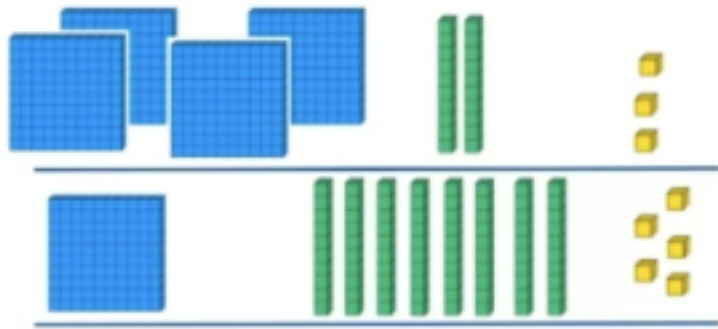
# Try this subtraction calculation:

You can use dienes to help you.

Or you can use the written column method.



Column subtraction  $423 - 185 =$



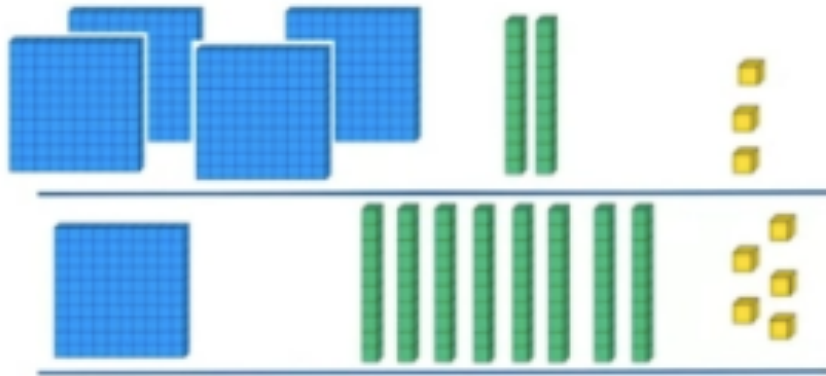
You will have to regroup  
in two columns.

		4	2	3				
	-	<u>1</u>	<u>8</u>	<u>5</u>				

Answer on the next slide:

Answer:

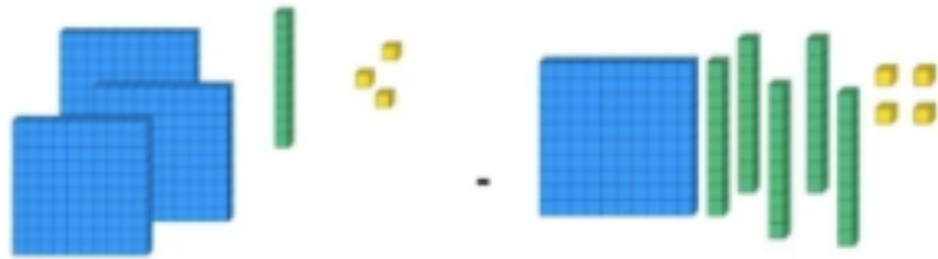
Column subtraction  $423 - 185 =$



		3	11				
		<del>4</del>	<del>2</del> <sup>1</sup>	3			
	-	<u>1</u>	<u>8</u>	<u>5</u>			
		2	3	8			

Now try this one:

Column subtraction  $313 - 154 =$

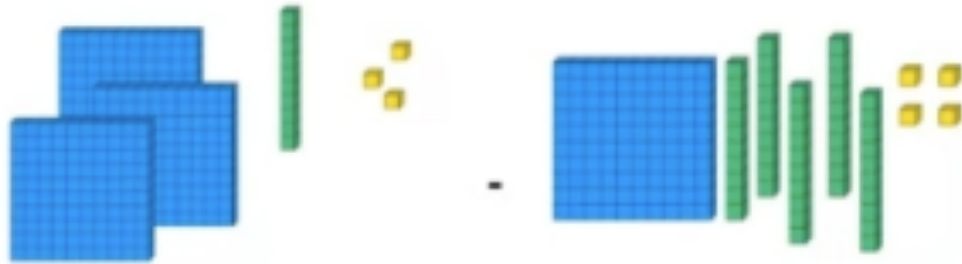


		3	1	3				
	-	<u>1</u>	<u>5</u>	<u>4</u>				

Answer on the next slide:

Answer:

Column subtraction  $313 - 154 =$



		2	10				
		<del>3</del>	<del>1</del>	<sup>1</sup> 3			
	-	<u>1</u>	<u>5</u>	<u>4</u>			
		1	5	9			

Now try this one:

Column subtraction  $942 - 563 =$

			3				
		9	<del>4</del> <sup>1</sup>	2			
	-	<u>5</u>	<u>6</u>	<u>3</u>			

Answer on the next slide

Answer:

Column subtraction  $942 - 563 =$

		8	13				
		<del>9</del>	<del>4</del>	<sup>1</sup> 2			
	-	<u>5</u>	<u>6</u>	<u>3</u>			
		3	7	9			

# Look at this one:

What do you do  
about the zero in  
the tens column?

**Regrouping to regroup**

		4	0	1	
	-	<u>1</u>	<u>2</u>	<u>2</u>	

**Answer on the next slide**

Answer:

Regrouping to regroup

		3	9		
		<del>4</del>	<del>0</del>	<sup>1</sup> 1	
	-	<u>1</u>	<u>2</u>	<u>2</u>	
		2	7	9	

# Task: Now do these subtraction calculations.

Use either dienes or do a written calculation.

**Part A (Not all need column subtraction so look carefully)**

$323 - 134$	$519 - 272$	$215 - 176$
$475 - 162$	$865 - 683$	$923 - 513$
$704 - 526$	$422 - 264$	$764 - 538$

**Think:**

How am I going to set out my work?

It should look like this:

	H	T	U
	2	9	
	3	4	14
-	1	5	5
	1	4	9

Answers on the next slide – no peeking!

# Answers:

Part A (Not all need column subtraction so look carefully)

$323 - 134$ <b>189</b>	$519 - 272$ <b>247</b>	$215 - 176$ <b>39</b>
$475 - 162$ <b>313</b>	$865 - 683$ <b>182</b>	$923 - 513$ <b>410</b>
$704 - 526$ <b>178</b>	$422 - 264$ <b>158</b>	$764 - 538$ <b>226</b>

How did you do?

# Now try this:

Part B -

1. What do you think might be the best way to answer this calculation?

$$404 - 268 = \square$$

2. Can you spot the mistake here?

		2	1	5	
	-	<u>1</u>	<u>2</u>	<u>6</u>	
		1	8	9	

Answers on the next slide – no peeking!

# Answers:

## Part B -

1. What do you think might be the best way to answer this calculation?

$$404 - 268 = \boxed{136}$$

Would you have used:

- dienes?
- The column method?
- Mental method?

2. Can you spot the mistake here?

		1	10	1	
		<del>2</del>	<del>1</del>	5	
	-	<u>1</u>	<u>2</u>	<u>6</u>	
		1	8	9	89

The answer should have been 89.

Easier:

Column Subtraction (2/3-digit no regrouping) 1

Name:

Date:



					H	T	U
					6	4	3
				-	1	2	1
Subtract the units, then the tens, then the hundreds.							

	H	T	U			H	T	U
	8	9	5		7	7	6	
-	4	5	2	-		5	3	

	7	4	1		3	8	8		6	3	6		6	1	6
-	5	3	0	-	1	5	3	-	2	1	4	-	3	1	6
	3	6	9		3	2	8		9	8	7		7	6	9
-	1	4	5	-	2	1	7	-	5	1	3	-	4	4	6
	7	4	6		7	5	3		7	6	6		6	8	8
-	2	2	2	-	6	2	1	-		3	5	-	4	5	2
	2	3	3		2	8	7		4	8	9		4	1	4
-	1	2	2	-		7	4	-	1	6	7	-	4	0	2
	6	9	9		8	2	6		5	7	5		7	5	7
-	3	3	6	-	5	0	4	-	1	5	3	-	3	2	4

Harder:

Column Subtraction (2/3-digit regrouping 10s & 100s) 1

Name:

Date:



					H	T	U
					2	9	
					<del>3</del>	<del>10</del>	<sup>1</sup> 4
				-	1	5	5
Move a 'hundred' or 'ten' across if you need to							
Subtract the units, then the tens, then the hundreds.					1	4	9

	H	T	U			H	T	U
	9	1	7		4	5	1	
-	2	5	8	-	1	7	5	

	9	0	2		5	2	0		3	2	5		6	1	1
-	4	2	5	-	1	5	5	-	1	9	9	-	3	4	2
	5	6	0		8	2	3		5	3	3		7	7	1
-		8	7	-	2	5	6	-	2	9	4	-	5	9	3
	7	4	8		2	1	4		2	8	2		4	3	4
-	3	5	9	-		5	5	-	1	9	6	-	1	6	8
	3	5	5		9	1	8		8	3	2		4	3	1
-		8	7	-	3	3	9	-	5	7	4	-	1	5	5
	2	8	0		2	1	7		7	1	1		5	6	2
-		9	3	-	1	3	8	-	5	2	2	-	4	9	6

Extra  
Sheets

Choose the  
level that is  
right for you.

How did you do?  
We love seeing your work everyone.

Remember to  
post your work  
on Class Dojo!

